

WHAT IS CLAIMED IS:

- 1 1. A method of exchanging multimedia data between a multimedia device
2 and a network, comprising:
3 digitally coupling a communications device to the multimedia device;
4 storing, on a data store accessible via the network, a profile of the
5 communications device describing multimedia capabilities of the communications
6 device, the profile adapted to include a description of multimedia capabilities of the
7 multimedia device;
8 accessing the profile for purposes of formatting the multimedia data via a
9 network entity;
10 formatting the multimedia data via the network entity based on the profile so
11 that the data is compatible with the multimedia device; and
12 exchanging the multimedia data between the multimedia device and the network
13 via the communications device.
- 1 2. The method of claim 1, wherein the multimedia device comprises at
2 least one of a television, a digital media center, and an audio playback device.
- 1 3. The method of claim 1, wherein the profile comprises an XML
2 formatted document.
- 1 4. The method of claim 3, wherein the profile comprises a User Agent
2 Profile.
- 1 5. The method of claim 1, wherein the storing the profile comprises
2 updating the profile using a Profile-Diff header in a message sent to the data store.
- 1 6. The method of claim 1, wherein the data store comprises a CC/PP
2 repository.
- 1 7. The method of claim 1, wherein the network entity comprises a
2 Multimedia Messaging Service Center (MMSC).
- 1 8. The method of claim 1, further comprising:

2 uncoupling the communications device from the multimedia device; and
3 updating the profile on the data store to remove the description of multimedia
4 capabilities of the multimedia device.

1 9. The method of claim 1, wherein the communications device comprises a
2 wireless mobile terminal.

1 10. The method of claim 1, wherein the communications device comprises a
2 cellular phone.

1 11. The method of claim 1, wherein the communications device is coupled
2 to the multimedia device via a Universal Plug and Play (UPnP) network.

1 12. The method of claim 11, wherein the communications device is
2 configured to operate as an Internet Gateway Device for the UPnP network.

1 13. The method of claim 12, wherein the UPnP network comprises a
2 wireless UPnP network.

1 14. A computer-readable medium having instructions stored thereon which
2 are executable by a communications device coupled to a) a network and b) a
3 multimedia device, for performing steps comprising:
4 determining multimedia capabilities of the multimedia device;
5 storing, on a data store accessible via the network, a profile of the
6 communications device that describes multimedia capabilities of the communications
7 device, the profile adapted to include a description of multimedia capabilities of the
8 multimedia device; and
9 exchanging multimedia data between the multimedia device and the network,
10 the multimedia data formatted by a computing arrangement on the network in a format
11 compatible with the multimedia device based on the profile accessed by the computing
12 arrangement via the data store.

1 15. The computer-readable medium of claim 14, wherein the multimedia
2 device comprises at least one of a television, a digital media center, and an audio
3 playback device.

1 16. The computer-readable medium of claim 14, wherein the profile
2 comprises a User Agent Profile.

1 17. The computer-readable medium of claim 14, wherein the storing the
2 profile comprises updating the profile using a Profile-Diff header in a message sent to
3 the data store.

1 18. The computer-readable medium of claim 14, wherein the data store
2 comprises a CC/PP repository.

1 19. The computer-readable medium of claim 14, wherein the steps further
2 comprise updating the profile on the data store to remove the description of multimedia
3 capabilities of the multimedia device in response to uncoupling the communications
4 device from the multimedia device.

1 20. The computer-readable medium of claim 14, wherein the
2 communications device comprises a wireless mobile terminal.

1 21. The computer-readable medium of claim 14, wherein the
2 communications device comprises a cellular phone.

1 22. A system comprising:
2 a multimedia device having a data interface and capable of handling multimedia
3 data exchanged via the data interface;
4 a network having a data store configured to store capabilities profiles and a
5 computing arrangement configured to access profiles on the data store and format
6 multimedia data based on the capabilities profiles; and
7 a communications device coupled to the network comprising,
8 a data interface configured to exchange multimedia data with the data
9 interface of the multimedia device;
10 a processor coupled to a memory and the data interface, the memory
11 containing instructions configured to cause the processor to,
12 determine multimedia capabilities of the multimedia device;
13 store on the data store a profile of the communications device that
14 describes multimedia capabilities of the communications device, the profile
15 adapted to include a description of multimedia capabilities of the multimedia
16 device;
17 transfer multimedia data between the multimedia device and the
18 network, the multimedia data formatted by the computing arrangement based on
19 the profile accessed by the computing arrangement via the data store.

1 23. The system of claim 22, wherein the multimedia device comprises at
2 least one of a television, a digital media center, and an audio playback device.

1 24. The system of claim 22, wherein the profile comprises a User Agent
2 Profile.

1 25. The system of claim 22, wherein the storing the profile comprises
2 updating the profile using a Profile-Diff header in a message sent to the data store.

1 26. The system of claim 22, wherein the data store comprises a CC/PP
2 repository.

1 27. The system of claim 22, wherein the computing arrangement comprises
2 a Multimedia Messaging Service Center (MMSC).

1 28. The system of claim 22, wherein the communications device comprises
2 a wireless mobile terminal.

1 29. The system of claim 22, wherein the communications device comprises
2 a cellular phone.

1 30. The system of claim 22, wherein the communications device is coupled
2 to the multimedia device via a Universal Plug and Play (UPnP) network.

1 31. The system of claim 30, wherein the communications device is
2 configured to operate as an Internet Gateway Device for the UPnP network.

1 32. The system of claim 31, wherein the UPnP network comprises a wireless
2 UPnP network.

1 33. A communications device, comprising:
2 a network interface configured to exchange data over a network;
3 a digital interface configured to exchange multimedia data with a multimedia
4 device;
5 a processor coupled to the network interface and the digital interface; and
6 a memory coupled to the processor and containing instructions configured to
7 cause the processor to,
8 determine multimedia capabilities of the multimedia device;
9 store, on a data store accessible via the network, a profile of the
10 communications device that describes multimedia capabilities of the
11 communications device, the profile adapted to include a description of
12 multimedia capabilities of the multimedia device; and
13 transfer multimedia data between the multimedia device and the
14 network, the multimedia data formatted at a computing arrangement on the
15 network so as to be compatible with the multimedia device based on the profile
16 accessed by the computing arrangement via the data store.

1 34. The communications device of claim 33, wherein the multimedia device
2 comprises at least one of a television, a digital media center, and an audio playback
3 device.

1 35. The communications device of claim 33, wherein the profile comprises a
2 User Agent Profile.

1 36. The communications device of claim 33, wherein the storing the profile
2 comprises updating the profile using a Profile-Diff header in a message sent to the data
3 store.

1 37. The communications device of claim 33, wherein the data store
2 comprises a CC/PP repository.

1 38. The communications device of claim 33, wherein the communications
2 device comprises a wireless mobile terminal.

1 39. The communications device of claim 33, wherein the communications
2 device comprises a cellular phone.

1 40. A system for exchanging multimedia data between a network and a
2 multimedia device, comprising:
3 means for determining a multimedia capability of the multimedia device;
4 means for storing, on a data store accessible via the network, a profile including
5 a description of multimedia capabilities of the multimedia device;
6 means for accessing the profile for purposes of formatting the multimedia data;
7 means for formatting the multimedia data for the multimedia device based on
8 the profile; and
9 means for exchanging data between the network and the multimedia device via
10 a communications device.